



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

Original 015/032 #2
cc: J. Smith
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

RECEIVED

SEP 08 1992

DIVISION OF
OIL GAS & MINING

September 4, 1992

Division of Oil, Gas & Mining
Attn: Daron Haddock
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Genwal Coal Company
Stream Alteration #92-93-08
Upper Indian Creek

Dear Daron:

You should be aware that on August 17, 1992, Genwal Coal Company filed the above referenced stream alteration application requesting the right to install a 3-foot parshall flume with a continuous water flow recorder, in the SE4SW4 Section 10, T16S, R6E, SLB&M.

The application is being circulated for comments at the present time with a deadline of September 7, 1992.

Should you have any questions concerning the permit, please contact me.

Sincerely,

Mark P. Page
Regional Engineer

Enclosures
MPP/mjk

PERMIT APPLICATION

AUG 17 1992

TO ALTER A NATURAL CHANNEL IN THE STATE OF UTAH WATER RIGHTS
SALT LAKE

1

Application Number **92-93-08 SA**

Applicant's Name (Last, First, M.I.) Genwal Coal Company		Authorized Agent Jay Marshall	Telephone Number and Area Code (801) 687-9813																				
Address (Street, RFD, Box Number, City, State, Zip) P.O. Box 1201 Huntington, Utah 84528																							
Quarter Section(s) SE SW	Section(s) 10	Township(s) 16 South	Range(s) & Base 6 East SLBM																				
County Emery	Watercourse to be altered Upper Indian Creek		Drainage Area Straight Canyon USFS Watershed=05																				
Common Description or Address of Proposed Project Upper Indian Creek, 200 Ft. South of Indian Creek Campground																							
2 Nature of proposed alteration (Check applicable boxes) <table border="0"> <tr> <td><input type="checkbox"/> fill</td> <td><input type="checkbox"/> excavate</td> <td><input type="checkbox"/> bridge</td> <td><input type="checkbox"/> culvert</td> </tr> <tr> <td><input type="checkbox"/> remove</td> <td><input type="checkbox"/> construct</td> <td><input type="checkbox"/> riprap</td> <td><input checked="" type="checkbox"/> wetland</td> </tr> <tr> <td><input type="checkbox"/> abandon</td> <td><input type="checkbox"/> realign</td> <td><input type="checkbox"/> channel</td> <td><input type="checkbox"/> obstruction</td> </tr> <tr> <td><input checked="" type="checkbox"/> install</td> <td><input type="checkbox"/> maintain</td> <td><input type="checkbox"/> diversion works</td> <td><input type="checkbox"/> watercourse</td> </tr> <tr> <td><input type="checkbox"/> bank protection</td> <td><input checked="" type="checkbox"/> instream structure</td> <td><input checked="" type="checkbox"/> other Parshall Flume</td> <td><input type="checkbox"/> other _____</td> </tr> </table>				<input type="checkbox"/> fill	<input type="checkbox"/> excavate	<input type="checkbox"/> bridge	<input type="checkbox"/> culvert	<input type="checkbox"/> remove	<input type="checkbox"/> construct	<input type="checkbox"/> riprap	<input checked="" type="checkbox"/> wetland	<input type="checkbox"/> abandon	<input type="checkbox"/> realign	<input type="checkbox"/> channel	<input type="checkbox"/> obstruction	<input checked="" type="checkbox"/> install	<input type="checkbox"/> maintain	<input type="checkbox"/> diversion works	<input type="checkbox"/> watercourse	<input type="checkbox"/> bank protection	<input checked="" type="checkbox"/> instream structure	<input checked="" type="checkbox"/> other Parshall Flume	<input type="checkbox"/> other _____
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3 Estimated Cost of Project \$ 5,000.00		4 Project Plans Plans Included? Yes Number of attachments 2																					
5 Brief Explanation of Project <p>Install an instream parshall flume equipped with a Stevens type F (Model 68) continuous water flow recorder in the Upper Indian Creek. The flume has a maximum intake width of 5'1 7/8" maximum height of 3' and a throat width of 3'.</p>																							
6 Justification (Explain why this project is needed) <p>A parshall flume equipped with a continuous water flow recorder is needed to measure and record discharge from the Upper Indian Creek prior, during, and following underground coal mining activities beneath East Mountain. This data collection is required in the mining permits and is to be used to determine mining effects on the hydrologic system.</p>																							
7 Detrimental Effects (Anticipated changes to the water and related land resources, including unavoidable detrimental effects) <p>No detrimental effects on air quality, surface water quality and quantity, noise levels, vegetation, wildlife, or aquatic life will occur. The flume site is not visible from the road leading to the Indian Creek Campground, or the campground itself. The stream channel width will be narrowed (minimum width=3ft) in a 6' stretch of the stream channel. Foot traffic to the site (1 trip per month) will utilize an existing foot trail. No heavy industrial equipment (bulldozer etc.) will be needed during installation and/or maintenance operations.</p>																							

8 Alternatives (other alternatives to the proposed action)

Install a V-notch weir or a different type of flume. A parshall flume was chosen due to its ability to accurately measure a range of discharges, low-maintenance requirements, minimum environmental disruption, cost, and reliability.

9 Names and addresses of adjoining property owners, lessees, etc.

Proposed flume site lies in the Manti-La Sal National Forest. The flume site was chosen with the aid of Manti-La Sal Forest Personnel, and reviewed during a site visit with a representative of the U.S. Army Corps of Engineers.

United States Department of Agriculture
United States Forest Service
Manti-La Sal National Forest
599 West Price River Drive Price, Utah 84501

10 Estimated Starting Date of Project

September 1992

Estimated Completion Date of Project

October 1992

I hereby make application pursuant to 73-3-29, Utah Code Annotated, 1953, and all other supporting rules for a permit to alter a natural channel in the State of Utah. If approved, this work will be done in accordance with conditions of approval, supporting maps, plans and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge.

Signature of Owner or Authorized Agent

Date

Jay Marshall

12 Aug 92

FOR OFFICE USE ONLY

Recommendations of the Area Engineer

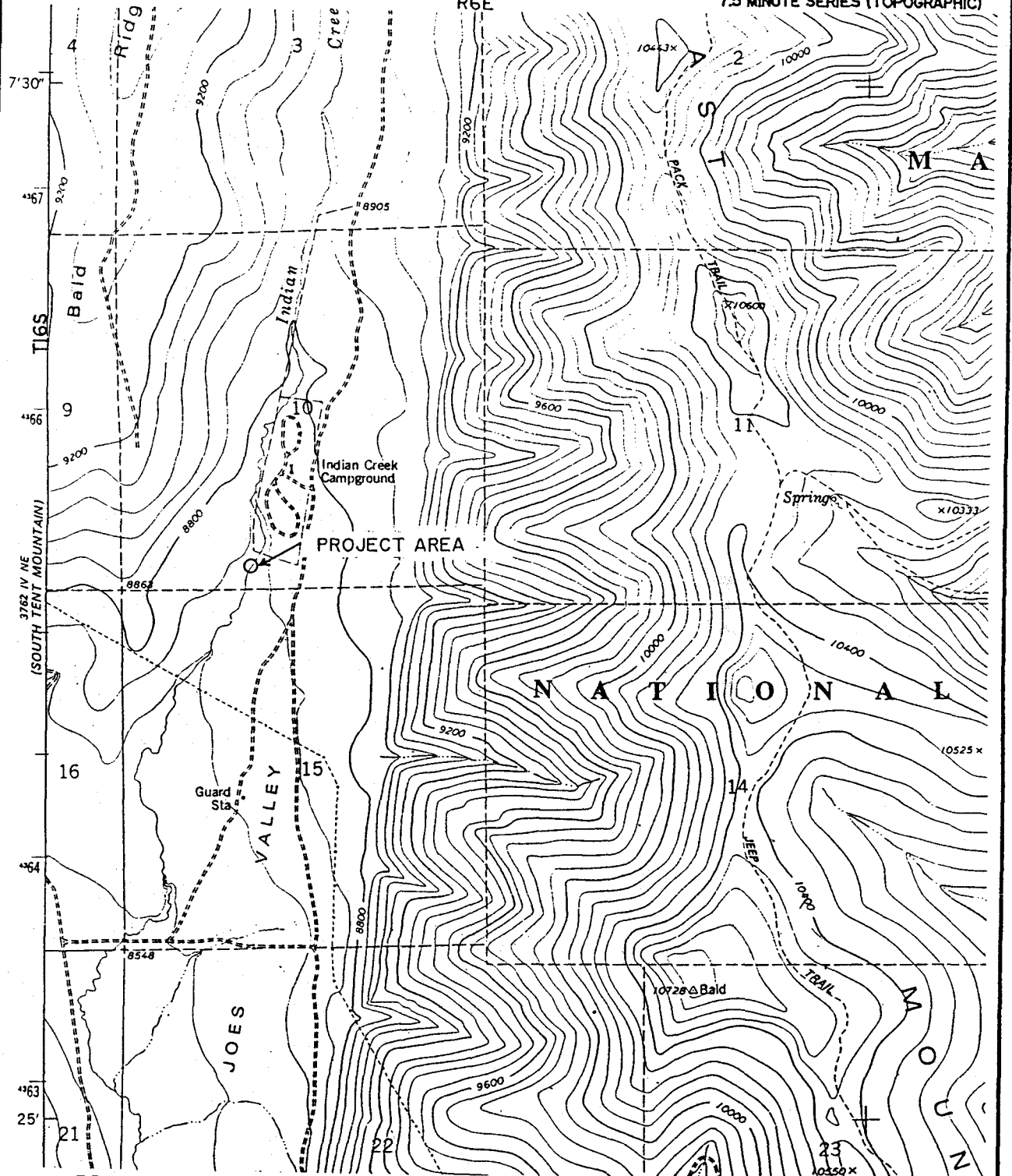
Approve/Reject

Area Engineer

Date

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

RILDA CANYON QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)



PROJECT LOCATION

PARSHALL FLUME ON THE UPPER INDIAN CREEK
LOCATION: T16S R6E SEC 10 SE SW
APPLICANT: GENWAL COAL COMPANY
DATE: JULY 29, 1992



